

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

FORMERLY INDUSTRY SURVEY

FOR RELEASE: January 2, 1964

SERIES: M3-1(63)-2

NOVEMBER 1963



Effective with the October 1963 report, the Bureau of the Census is issuing the monthly report on Manufacturers' Shipments, Inventories, and Orders which was previously published by the Office of Business Economics under the title "Industry Survey." The data in this new series are based on an extensive modification of the monthly Industry Survey program. A detailed explanation of the major changes made in the survey, as well as revised data for prior periods, are presented in a comprehensive report, "Manufacturers' Shipments, Inventories, and Orders: 1947-1963 Revised." This comprehensive report may be purchased for \$1.00 per copy from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Manufacturers' shipments, new and unfilled orders showed little change from October to November after seasonal adjustment, the U.S. Department of Commerce announced today. The November backlog of unfilled orders remained at the October level of \$50.1 billion, seasonally adjusted. Inventories, seasonally adjusted, increased less than 1 percent in October, with most of the rise occurring in the nondurable goods industries.

Shipments by durable goods manufacturers declined about 1 percent in November from October, after seasonal adjustment, to a level of \$18.3 billion, according to the Department's Bureau of the Census. Much of the decline was centered in the transportation and fabricated metal industry groups.

Conversely, seasonally adjusted shipments of nondurable goods increased 1 percent from October to a November level of \$16.8 billion. Shipments of the foods and related products, textiles, and leather industries were among the nondurable industry groups which increased during the month.

In terms of market categories, "consumer staples" and "other materials and supplies and intermediate products," showed small increases of 2 and 1 percent, respectively, while shipments of other market groups declined slightly.

New orders booked by the durable goods manufacturers amounted to \$18.1 billion in November, after seasonal adjustment, down 3 percent from October. Decreases occurred in almost all durable goods industries, with only the electrical machinery and miscellaneous durable goods industries showing increases.

The backlog of unfilled orders held by durable goods manufacturers amounted to \$47.1 billion, after seasonal adjustment, down only about a \$100 million from the October level.

Manufacturers' inventory book values at the end of November amounted to \$59.7 billion, after seasonal adjustment, up \$400 million from October. Virtually all of this increase was accounted for by the nondurable goods industries.

Prepared by Bureau of the Census, Industry Division, Manufacturers' Shipments, Inventories, and Orders Branch

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Annual subscription \$1.00; 35 cents additional for foreign mailing. Single copies available from the U.S. Department of Commerce, Bureau of the Census, Washington, D.C. 20233, at 10 cents each.



U.S. DEPARTMENT OF COMMERCE Luther H. Hodges, Secretary

BUREAU OF THE CENSUS Richard M. Scamman, Director

Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, BY INDUSTRY GROUP: NOVEMBER 1963
(Millions of dollars)

Industry group	Seasonally adjusted			Without seasonal adjustment ¹			Seasonally adjusted			Without seasonal adjustment		
	Nov. 1963P	Oct. 1963P	Sept. 1963	Nov. 1963P	Oct. 1963P	Nov. 1962	Nov. 1963P	Oct. 1963P	Sept. 1963	Nov. 1963P	Oct. 1963P	Nov. 1962
	Shipments						Total inventories					
All manufacturing industries, total...	35,162	35,214	34,672	35,535	36,821	34,168	59,727	59,322	59,087	59,398	59,026	57,292
Durable goods industries, total.....	18,348	18,590	17,937	18,531	19,180	17,456	45,660	45,581	45,536	45,320	45,300	43,896
Stone, clay, and glass products.....	969	986	938	951	1,089	964	1,553	1,517	1,551	1,486	1,454	1,450
Primary metals, total.....	2,912	2,904	2,742	2,871	2,928	2,716	5,896	5,861	5,849	5,972	5,909	5,957
Blast furnaces, steel mills.....	1,511	1,469	1,392	1,467	1,484	1,398	3,535	3,500	3,496	3,620	3,560	3,628
All other primary metals.....	1,401	1,435	1,350	1,404	1,444	1,318	2,361	2,361	2,353	2,352	2,349	2,329
Fabricated metal products, total.....	1,900	1,943	1,855	1,868	2,054	1,858	3,929	3,913	3,889	3,775	3,836	3,685
Metal cans, barrels, and drums.....	210	210	183	179	212	166	418	411	412	363	372	339
Machinery, except electrical, total.....	2,613	2,615	2,610	2,498	2,544	2,268	6,796	6,800	6,763	6,688	6,684	6,355
Engines and turbines.....	161	163	188	149	152	152	457	451	450	464	455	447
Farm machinery and equipment.....	257	246	250	184	228	166	630	643	640	607	600	601
Construction, mining, and material handling equipment.....	468	476	465	437	459	374	1,185	1,171	1,174	1,154	1,139	1,132
Metalworking machinery.....	175	166	184	170	168	181	677	670	650	669	666	611
General industrial machinery.....	198	193	189	194	196	190	476	488	489	466	484	474
Electrical machinery, total.....	2,392	2,385	2,370	2,508	2,522	2,402	5,069	5,043	4,997	4,951	4,952	4,787
Electrical transmission and distribution equipment and industrial apparatus.....	522	489	480	522	501	472	1,177	1,173	1,179	1,151	1,160	1,141
Household appliances, including radio and TV.....	543	554	544	591	610	581	1,132	1,116	1,091	1,065	1,052	935
Communication equipment.....	574	579	596	591	589	571	1,317	1,316	1,303	1,313	1,315	1,359
Transportation equipment, total.....	4,982	5,158	4,897	5,236	5,268	4,800	7,212	7,256	7,378	7,298	7,324	6,844
Motor vehicles and parts.....	3,225	3,362	3,155	3,503	3,544	3,198	2,595	2,669	2,667	2,660	2,717	2,458
Aircraft and parts.....	1,393	1,392	1,344	1,400	1,337	1,283	3,778	3,789	3,899	3,789	3,795	3,567
Instruments and related products.....	596	589	577	613	610	581	1,456	1,454	1,446	1,450	1,452	1,368
All other durable goods industries.....	1,984	2,010	1,948	1,986	2,165	1,867	3,766	3,757	3,663	3,700	3,689	3,450
Nondurable goods industries, total.....	16,814	16,624	16,735	17,004	17,641	16,712	24,067	23,741	23,551	24,078	23,726	23,396
Food and kindred products, total.....	6,008	5,870	5,916	6,031	6,184	5,790	6,070	6,057	5,979	6,441	6,397	6,455
Meat products.....	1,428	1,320	1,392	1,397	1,392	1,435	605	603	584	650	588	596
Tobacco products.....	373	384	377	389	383	387	2,343	2,317	2,339	2,355	2,322	2,412
Textile mill products.....	1,433	1,363	1,401	1,489	1,501	1,350	2,840	2,800	2,668	2,713	2,623	2,528
Paper and allied products, total.....	1,354	1,373	1,395	1,347	1,427	1,335	1,779	1,757	1,743	1,749	1,728	1,663
Pulp, paper, etc.....	606	571	607	605	572	570	678	669	667	674	668	662
Chemicals and allied products, total.....	2,604	2,576	2,578	2,534	2,674	2,405	3,769	3,734	3,722	3,710	3,665	3,524
Industrial chemicals, except pigments...	858	843	851	850	853	803	1,115	1,105	1,111	1,097	1,087	1,074
Petroleum and coal products.....	1,418	1,428	1,451	1,433	1,442	1,483	1,798	1,788	1,830	1,831	1,846	1,822
Rubber and plastics products, n.e.c.....	765	794	772	749	856	721	1,159	1,159	1,155	1,142	1,142	1,093
All other nondurable goods industries.....	2,859	2,836	2,845	3,032	3,174	3,261	4,309	4,129	4,115	4,137	4,003	3,919
	New orders						Unfilled orders					
All manufacturing industries, total...	35,144	35,354	34,991	35,383	36,660	33,494	50,127	50,140	49,982	49,688	49,902	45,577
Durable goods industries, total.....	18,146	18,622	18,244	18,191	18,942	16,854	47,057	47,169	47,070	46,664	46,999	42,811
Primary metals, total.....	2,987	3,013	2,712	2,988	2,996	2,733	3,934	3,859	3,822	3,788	3,675	3,720
Blast furnaces, steel mills.....	1,530	1,590	1,371	1,516	1,522	1,428	2,195	2,172	2,102	2,052	2,004	1,988
Fabricated metal products.....	1,880	1,910	1,808	1,805	1,974	1,759	4,093	4,104	4,124	4,064	4,128	3,955
Machinery, except electrical, total.....	2,578	2,669	2,608	2,439	2,605	2,208	6,873	6,884	6,780	6,753	6,811	6,157
Engines and turbines.....	139	157	173	128	157	137	1,342	1,355	1,361	1,328	1,349	1,318
Construction, mining, and material handling.....	455	470	436	379	438	332	1,164	1,206	1,188	1,100	1,156	972
Metalworking machinery.....	189	217	174	181	211	186	952	958	874	959	933	755
General industrial machinery.....	193	194	194	190	195	186	484	485	481	477	480	440
Electrical machinery, total.....	2,481	2,410	2,263	2,372	2,470	2,217	7,091	7,058	7,062	7,065	7,199	6,879
Electrical transmission and distribution equipment and industrial apparatus.....	550	530	495	516	530	460	1,563	1,559	1,535	1,572	1,578	1,416
Household appliances, including radio and TV.....	556	564	499	579	605	544	421	395	385	407	419	340
Communication equipment.....	589	550	546	505	548	458	3,419	3,431	3,455	3,409	3,493	3,505
Transportation equipment, total.....	4,718	5,094	5,430	5,173	5,198	4,696	19,890	20,060	19,998	20,004	20,066	17,239
Aircraft and parts.....	1,211	1,272	1,754	1,242	1,241	1,028	14,988	15,189	15,199	15,125	15,279	12,864
All other durable goods industries.....	3,502	3,526	3,423	3,416	3,699	3,241	5,176	5,204	5,284	4,990	5,120	4,861
Nondurable goods industries, total.....	16,998	16,732	16,747	17,192	17,718	16,640	3,070	2,971	2,912	3,024	2,903	2,766
Industries with unfilled orders.....	4,718	4,528	4,495	4,849	4,811	4,308	3,070	2,971	2,912	3,024	2,903	2,766
Industries without unfilled orders.....	12,280	12,204	12,252	12,343	12,907	12,332	...	...	...	...	...	...

PPreliminary. RRevised. ¹Adjusted for trading-day and calendar month variation.

Table 2.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, FOR MARKET CATEGORIES AND SUPPLEMENTARY SERIES: NOVEMBER 1963

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(Millions of dollars)

Item	Seasonally adjusted			Without seasonal adjustment ¹			Seasonally adjusted			Without seasonal adjustment		
	Nov. 1963P	Oct. 1963 ²	Sept. 1963	Nov. 1963P	Oct. 1963 ²	Nov. 1962	Nov. 1963P	Oct. 1963 ²	Sept. 1963	Nov. 1963P	Oct. 1963 ²	Nov. 1962
	Shipments						Total inventories					
All manufacturing industries, total...	35,162	35,214	34,672	35,535	36,821	34,168	59,727	59,322	59,087	59,398	59,026	57,292
Durable goods industries, total.....	18,548	18,590	17,937	18,531	19,180	17,456	35,660	35,581	35,536	35,320	35,300	33,896
Nondurable goods industries, total.....	16,814	16,624	16,735	17,004	17,641	16,712	24,067	23,741	23,551	24,078	23,726	23,396
Market categories:												
Home goods and apparel.....	3,192	3,207	3,201	3,384	3,653	3,589	6,368	6,179	6,149	6,036	5,917	5,632
Consumer staples.....	7,431	7,288	7,337	7,490	7,686	7,241	9,572	9,502	9,447	9,913	9,839	9,840
Equipment and defense products, except automotive.....	4,310	4,376	4,314	4,229	4,303	4,050	12,226	12,189	12,249	12,087	12,061	11,697
Automotive equipment.....	3,614	3,797	3,573	3,853	3,998	3,530	3,192	3,253	3,268	3,250	3,297	3,034
Construction materials, supplies, and intermediate products.....	2,877	2,933	2,762	2,808	3,146	2,715	5,186	5,135	5,099	5,052	5,041	4,904
Other materials and supplies and intermediate products.....	13,738	13,613	13,485	13,771	14,035	13,043	23,183	23,059	22,875	23,060	22,871	22,185
Supplementary series: ²												
Consumer durables.....	1,367	1,368	1,372	1,450	1,527	1,458	2,941	2,923	2,865	2,818	2,815	2,584
Defense products.....	2,154	2,167	2,133	2,179	2,126	2,047	5,492	5,490	5,571	5,487	5,489	5,341
Machinery and equipment industries.....	3,299	3,293	3,272	3,273	3,272	3,062	8,456	8,395	8,337	657	8,314	7,950
	New orders						Unfilled orders					
All manufacturing industries, total...	35,144	35,354	34,991	35,383	36,660	33,494	50,127	50,140	49,982	49,688	49,902	45,577
Durable goods industries, total.....	18,146	18,622	18,244	18,191	18,942	16,854	47,057	47,169	47,070	46,664	46,999	42,811
Nondurable goods industries, total.....	16,998	16,732	16,747	17,192	17,718	16,640	3,070	2,971	2,912	3,024	2,903	2,766
Market categories:												
Home goods and apparel.....	3,137	3,199	3,177	3,348	3,626	3,530	1,930	1,977	1,989	1,935	1,972	1,769
Consumer staples.....	7,424	7,298	7,334	7,489	7,687	7,245						
Equipment and defense products, except automotive.....	4,304	4,069	4,424	4,078	3,915	3,733	26,500	26,483	26,664	26,475	26,518	23,763
Automotive equipment.....	3,588	3,806	3,553	3,957	4,012	3,509						
Construction materials, supplies, and intermediate products.....	2,812	2,938	2,712	2,671	3,052	2,564	5,055	5,111	5,116	4,882	5,017	4,724
Other materials and supplies and intermediate products.....	13,879	14,044	13,791	13,840	14,368	12,913	16,642	16,569	16,213	16,396	16,395	15,321
Supplementary series: ²												
Consumer durables.....	1,393	1,379	1,312	1,431	1,516	1,371	1,350	1,313	1,254	1,332	1,352	1,175
Defense products.....	1,985	1,922	2,466	1,920	1,905	1,657	19,431	19,625	19,746	19,527	19,782	17,454
Machinery and equipment industries.....	3,260	3,441	3,415	3,183	3,359	3,140	10,888	10,931	10,754	10,774	10,859	9,624

PPreliminary.

PRevised.

¹Shipments and new orders adjusted for trading-day and calendar month variation; unfilled orders and inventories as of end of month.²The composition of these supplementary series are as follows:

Consumer durables - Household furniture; kitchen articles and pottery; cutlery, handtools, hardware, household appliances; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Defense products - Communication equipment, complete aircraft, aircraft parts, and ordnance.

Machinery and equipment industries - Machinery, except electrical (excluding farm machinery and equipment and machine shops), electric machinery (excluding household appliances, communication equipment and electronic components), ship building and repairing, and railroad and street car equipment.

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Table 3.--RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP: NOVEMBER 1963

(Based on seasonally adjusted data)

Industry group	Inventories - shipments ratio				Unfilled orders - shipments ratio ¹ (months' backlog)			
	Nov. 1963P	Oct. 1963 ^r	Sept. 1963	Nov. 1962	Nov. 1963P	Oct. 1963 ^r	Sept. 1963	Oct. 1962
All manufacturing industries, total.....	1.70	1.68	1.70	1.71	2.44	2.43	2.47	2.25
Durable goods industries, total.....	1.94	1.91	1.98	2.00	2.93	2.90	2.97	2.89
Stone, clay, and glass products.....	1.59	1.54	1.65	1.53	1.21	1.14	1.25	1.13
Primary metals.....	2.02	2.02	2.13	2.14	1.35	1.33	1.39	1.44
Fabricated metals.....	2.07	2.01	2.10	2.05	2.42	2.37	2.47	2.40
Machinery, except electrical.....	2.60	2.60	2.59	2.73	2.63	2.63	2.60	2.70
Electrical machinery.....	2.12	2.11	2.11	2.15	2.96	2.96	2.98	3.06
Transportation equipment.....	1.45	1.41	1.51	1.52	6.54	6.31	6.41	6.02
Instruments and related products.....	2.44	2.47	2.51	2.43	2.33	2.38	2.47	2.40
Nondurable goods industries, total.....	1.43	1.43	1.41	1.42	0.69	0.68	0.66	0.52
Food and kindred products.....	1.01	1.03	1.01	1.05	...	...	...	...
Tobacco products.....	6.28	6.05	6.20	6.46	...	...	...	...
Textile mill products.....	1.98	2.05	1.90	2.07	1.17	1.08	1.04	1.15
Paper and allied products.....	1.31	1.28	1.25	1.26	.54	0.51	0.50	0.46
Chemicals and allied products.....	1.45	1.45	1.44	1.45	...	...	...	...
Petroleum and coal products.....	1.27	1.25	1.26	1.22	...	...	...	...
Rubber and plastics products, n.e.c.....	1.52	1.46	1.50	1.51	...	...	...	...

^PPreliminary. ^rRevised. ¹Excludes the following industries with no unfilled order backlogs: Wooden containers, glass containers, metal cans, barrels, and drums; motor vehicle assembly operations; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 4.--VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP: NOVEMBER 1963

(Millions of dollars)

Industry group	Seasonally adjusted			Without seasonal adjustment			Seasonally adjusted			Without seasonal adjustment		
	Nov. 1963P	Oct. 1963 ^r	Sept. 1963	Nov. 1963P	Oct. 1963 ^r	Nov. 1962	Nov. 1963P	Oct. 1963 ^r	Sept. 1963	Nov. 1963P	Oct. 1963 ^r	Nov. 1962
	Total						Raw materials					
All manufacturing industries, total.....	59,727	59,322	59,087	59,398	59,026	57,292	20,675	20,722	20,577	20,702	20,712	20,417
Durable goods industries, total.....	35,660	35,581	35,536	35,320	35,300	33,896	10,831	10,878	10,917	10,953	11,013	10,050
Stone, clay, and glass products.....	1,539	1,517	1,551	1,486	1,454	1,450	499	492	501	504	494	507
Primary metals.....	5,896	5,861	5,849	5,972	5,909	5,957	2,251	2,251	2,232	2,330	2,339	2,515
Machinery (electrical and nonelectrical)....	11,865	11,843	11,760	11,639	11,636	11,142	3,000	2,994	3,001	2,954	2,926	2,919
Transportation equipment.....	7,212	7,256	7,378	7,298	7,324	6,844	1,971	1,989	2,012	2,004	2,037	1,776
All other durable goods industries.....	9,148	9,104	8,998	8,925	8,977	8,503	3,160	3,192	3,171	3,121	3,167	2,942
Nondurable goods industries, total.....	24,067	23,741	23,551	24,078	23,726	23,396	9,794	9,844	9,660	9,749	9,699	9,767
Chemicals and allied products.....	3,769	3,734	3,722	3,710	3,665	3,524	1,317	1,317	1,315	1,317	1,313	1,279
Petroleum and coal products.....	1,798	1,788	1,850	1,831	1,846	1,822	347	359	386	342	359	373
Rubber and plastics products, n.e.c.....	1,159	1,159	1,155	1,142	1,142	1,093	349	367	375	339	362	341
All other nondurable goods industries.....	17,341	17,060	16,844	17,395	17,073	16,957	7,781	7,801	7,584	7,751	7,665	7,774
	Work in process						Finished goods					
All manufacturing industries, total.....	18,079	17,983	17,926	17,982	17,900	17,309	20,973	20,617	20,584	20,714	20,414	19,560
Durable goods industries, total.....	14,623	14,639	14,579	14,568	14,587	14,053	10,156	10,064	10,040	9,799	9,700	9,193
Stone, clay, and glass products.....	190	182	186	172	168	187	850	843	864	810	792	756
Primary metals.....	1,882	1,845	1,852	1,863	1,819	1,778	1,765	1,765	1,765	1,719	1,701	1,664
Machinery (electrical and nonelectrical)....	5,225	5,288	5,172	5,174	5,218	4,985	3,640	3,601	3,587	3,531	3,492	3,247
Transportation equipment.....	4,361	4,386	4,468	4,416	4,413	4,253	880	881	898	878	874	615
All other durable goods industries.....	2,965	2,938	2,901	2,943	2,969	2,850	3,023	2,974	2,926	2,861	2,841	2,711
Nondurable goods industries, total.....	3,456	3,344	3,347	3,414	3,313	3,256	10,817	10,553	10,544	10,915	10,714	10,373
Chemicals and allied products.....	543	541	536	539	540	499	1,909	1,876	1,871	1,854	1,812	1,746
Petroleum and coal products.....	396	371	381	389	374	364	1,055	1,058	1,063	1,100	1,113	1,085
Rubber and plastics products, n.e.c.....	180	178	177	183	178	175	630	614	603	620	612	577
All other nondurable goods industries.....	2,337	2,254	2,253	2,305	2,221	2,218	7,223	7,005	7,007	7,341	7,187	6,965

^PPreliminary.

^rRevised.

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CURRENT INDUSTRIAL REPORTS

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FORMERLY INDUSTRY SURVEY

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C H A N G E S H E E T

NOVEMBER 1963

The following change has been made to Table 2.--Value of Manufacturers' Shipments, Inventories, and Orders, for Market Categories and Supplementary Series: November 1963.

	As published	As revised
	(Millions of dollars)	
Machinery and equipment industries:		
September 1963 - Seasonally adjusted.....	8,337	8,343
November 1963 - Without seasonal adjustment....	657	8,337



U. S. DEPARTMENT OF COMMERCE Luther H. Hodges, Secretary

BUREAU OF THE CENSUS Richard M. Scamman, Director

